

#4

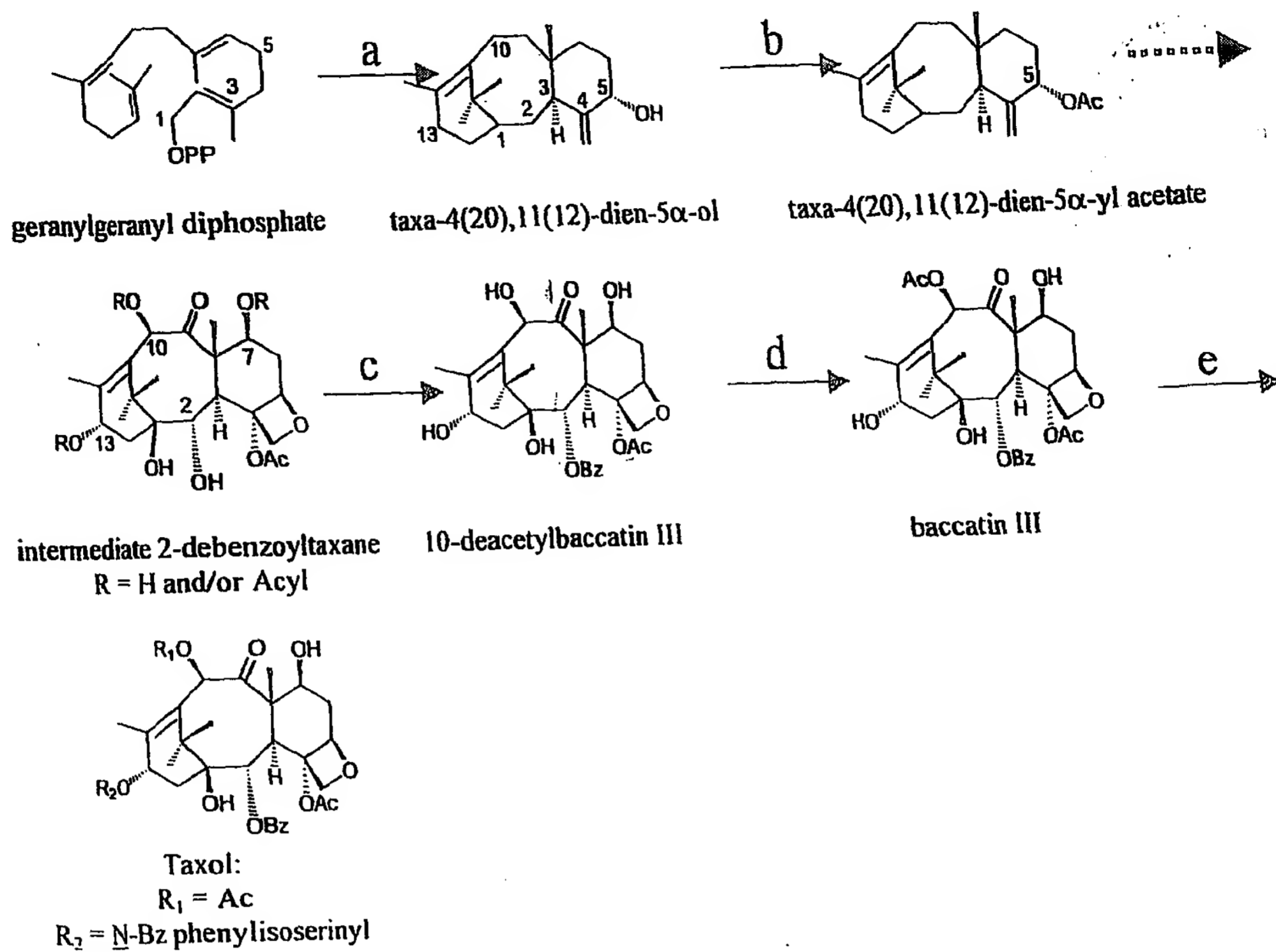


FIG. 1

09866570-092401

Tryptic Peptide Fragment	Peptide Sequence
SEQ ID NO: 29	TTLQLSSIDNLPGVR
SEQ ID NO: 30	ILVYYPPFAGR
SEQ ID NO: 31	FTCGGFVVGVSF
SEQ ID NO: 32	KGLAEIARGEVK
SEQ ID NO: 33	NLPNDTNPSSGYGN

FIG. 2

09866570-092401

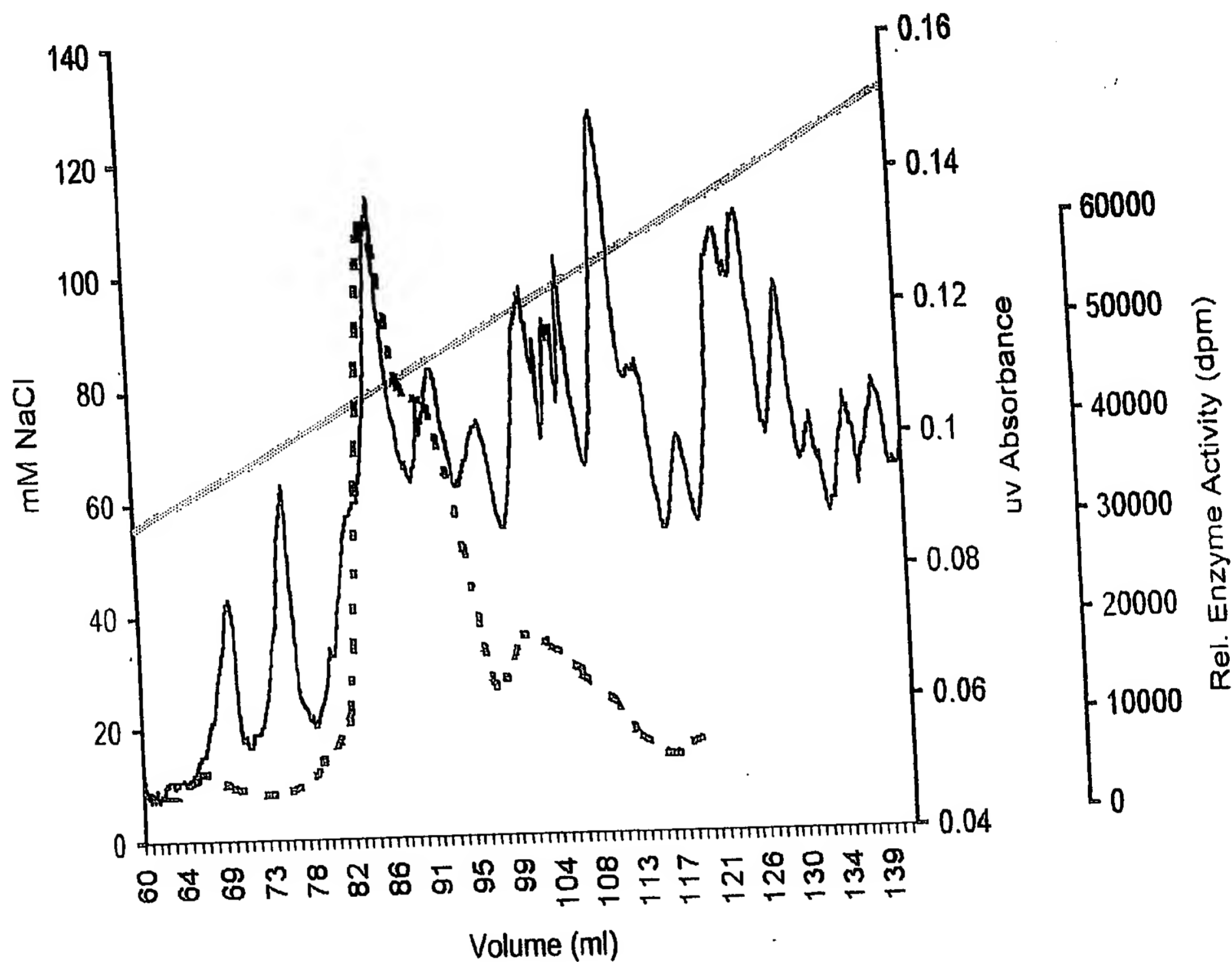


FIG. 3A

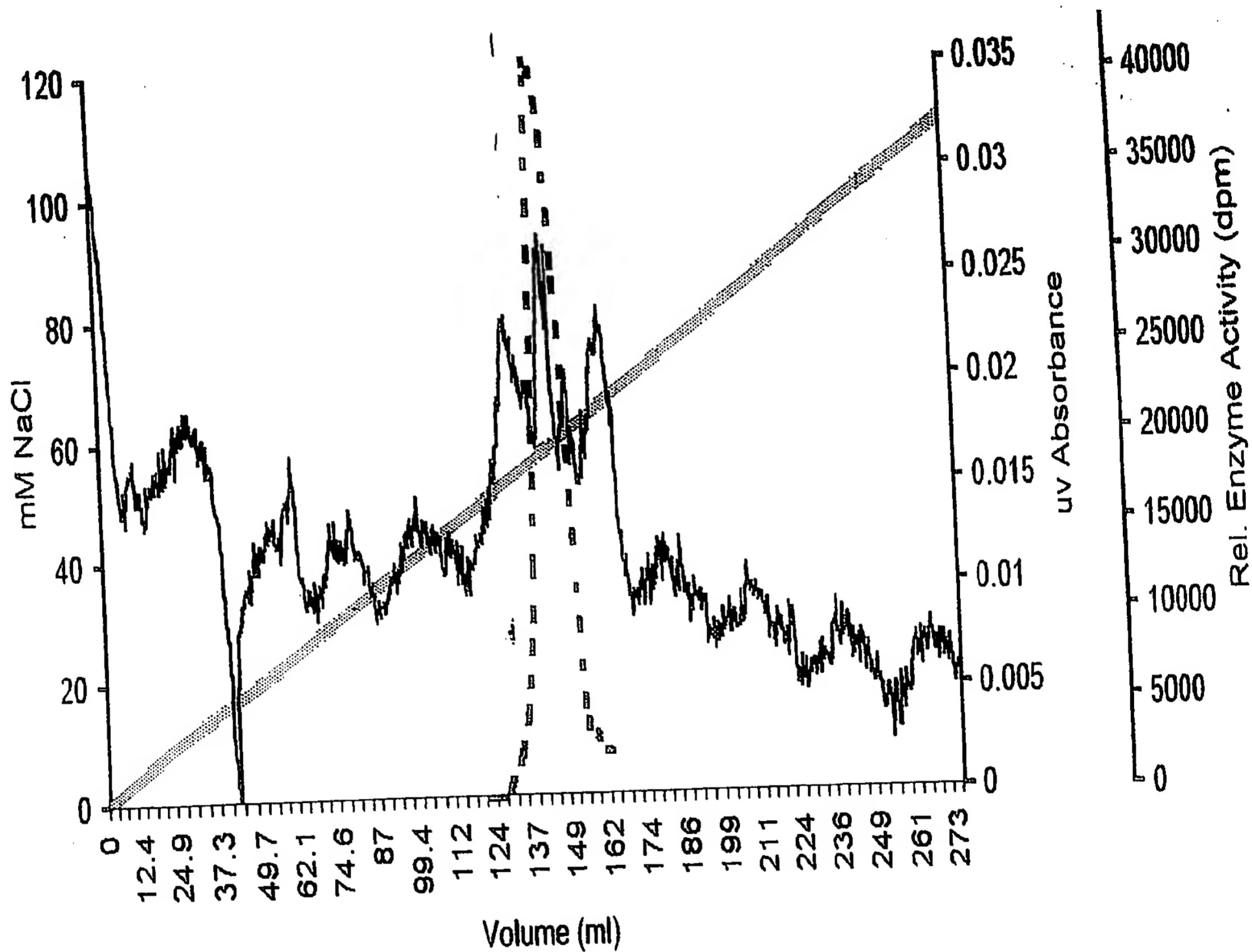


FIG. 3B

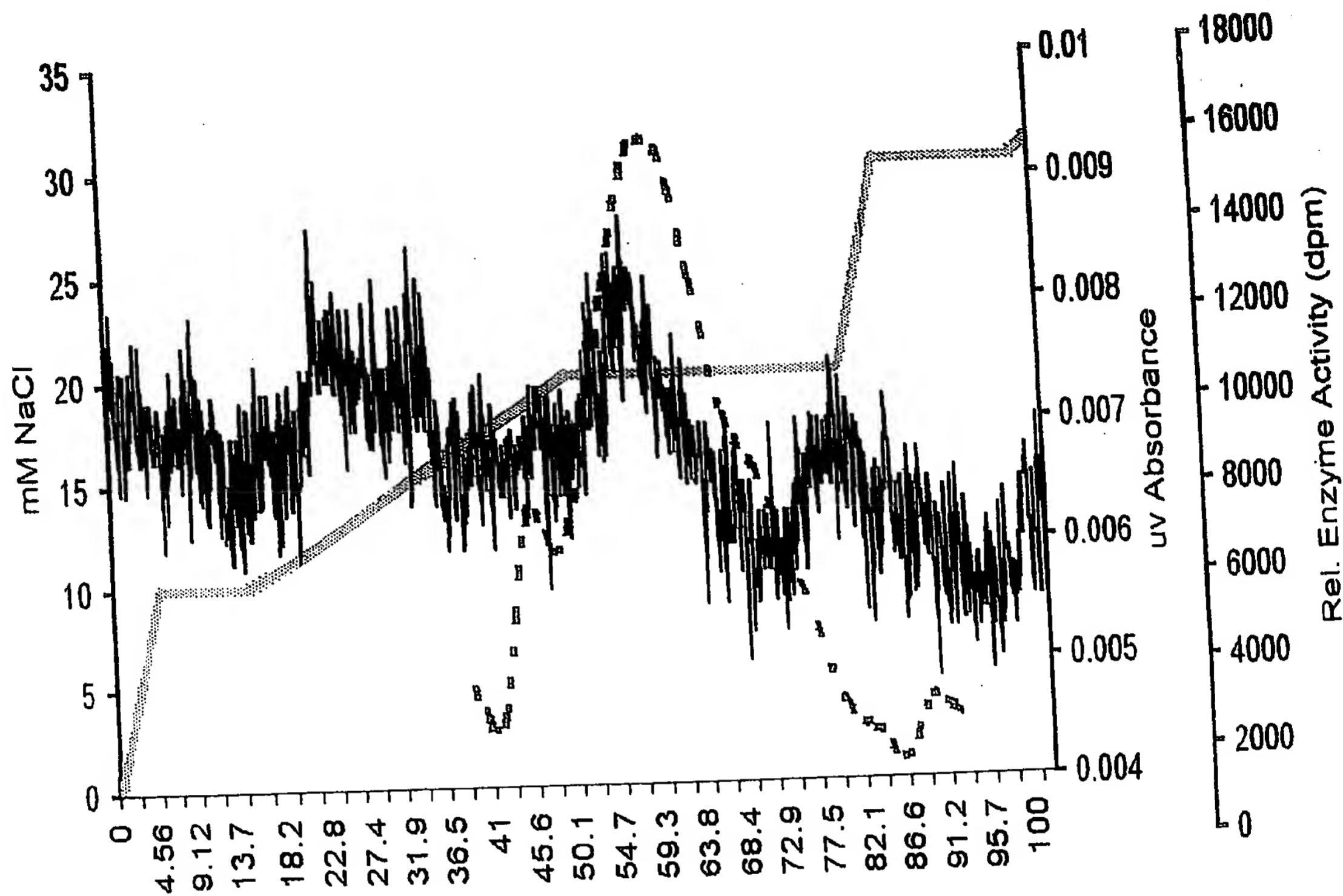


FIG. 3C

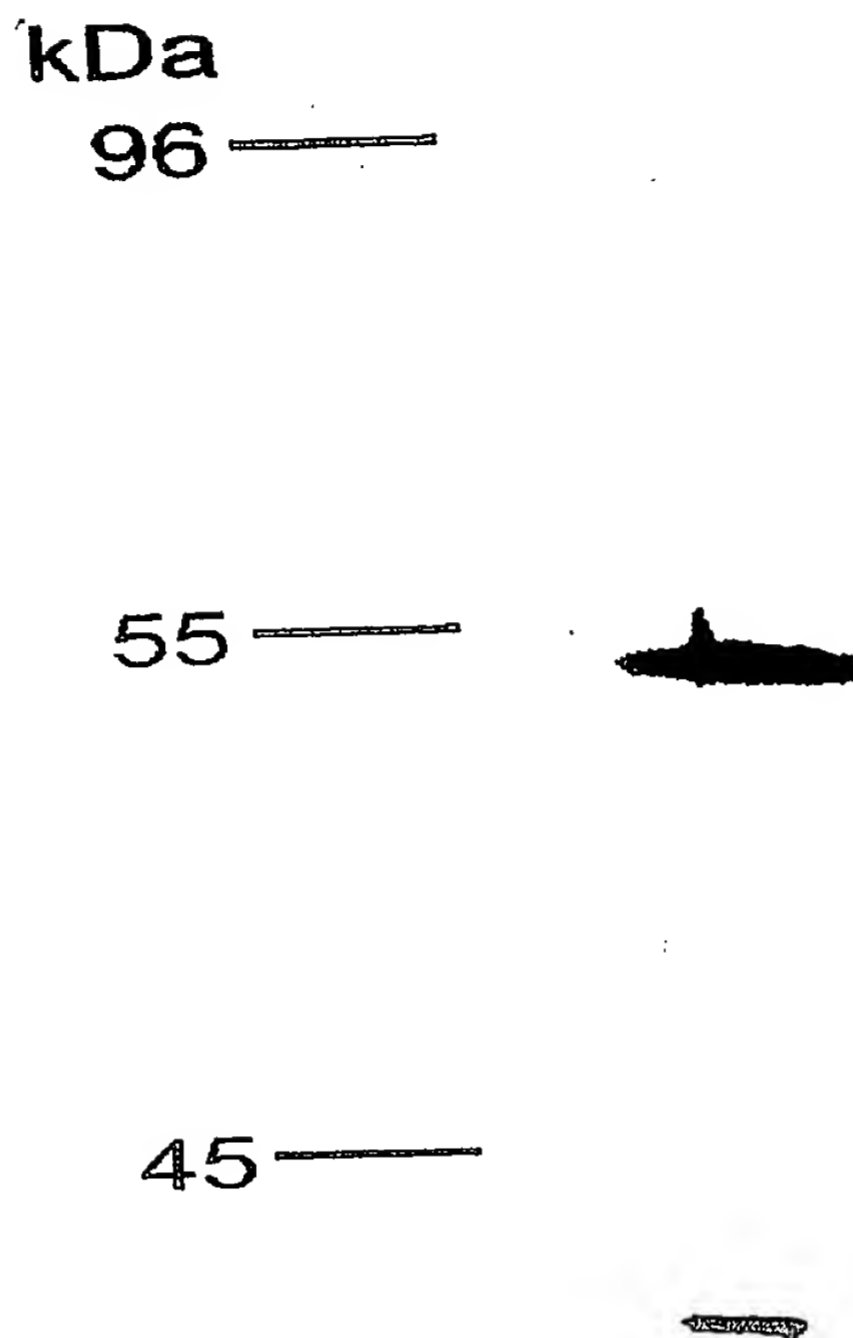


FIG. 3D

FROM PEPTIDE FRAGMENT SEQUENCE 2									
NH2-	I	L	V	Y	Y	P	P	-COOH	
5'	ATI	CTI	GTI	TAT	TAT	CCI	CC	3'	AT-FOR1
		T	C	C	C	C			(SEQ ID NO: 34)
			A			A			

NH2-	Y	Y	P	P	F	A	G	-COOH	
5'	TAT	TAT	CCI	CCI	TTT	GCI	GG	3'	AT-FOR2
	C	C	C	C	C	C			(SEQ ID NO: 35)
			A	A		A			

FROM SEQUENCE HOMOLOGY CONSIDERATIONS									
NH2-	F	Y	P	F	A	G	R	-COOH	
5'	TTC	TAT	CCI	TTC	GCI	GGI	AG	3'	AT-FOR3
	T	C		T	C	C			(SEQ ID NO: 36)
					A	A			

NH2-	Y	Y	P	L	A	G	R	-COOH	
5'	TAC	TAT	CCI	TTI	GCI	GGI	AG	3'	AT-FOR4
	T	C		C	C	C	C		(SEQ ID NO: 37)
					A	A			

NH2-	D	F	G	W	G	K	P	-COOH	
3'	CTA	AAA	CCI	ACC	CCI	TTT	GG	5'	AT-REV1
	G	G	C		C	C			(SEQ ID NO: 38)
			A		A				

FIG. 4

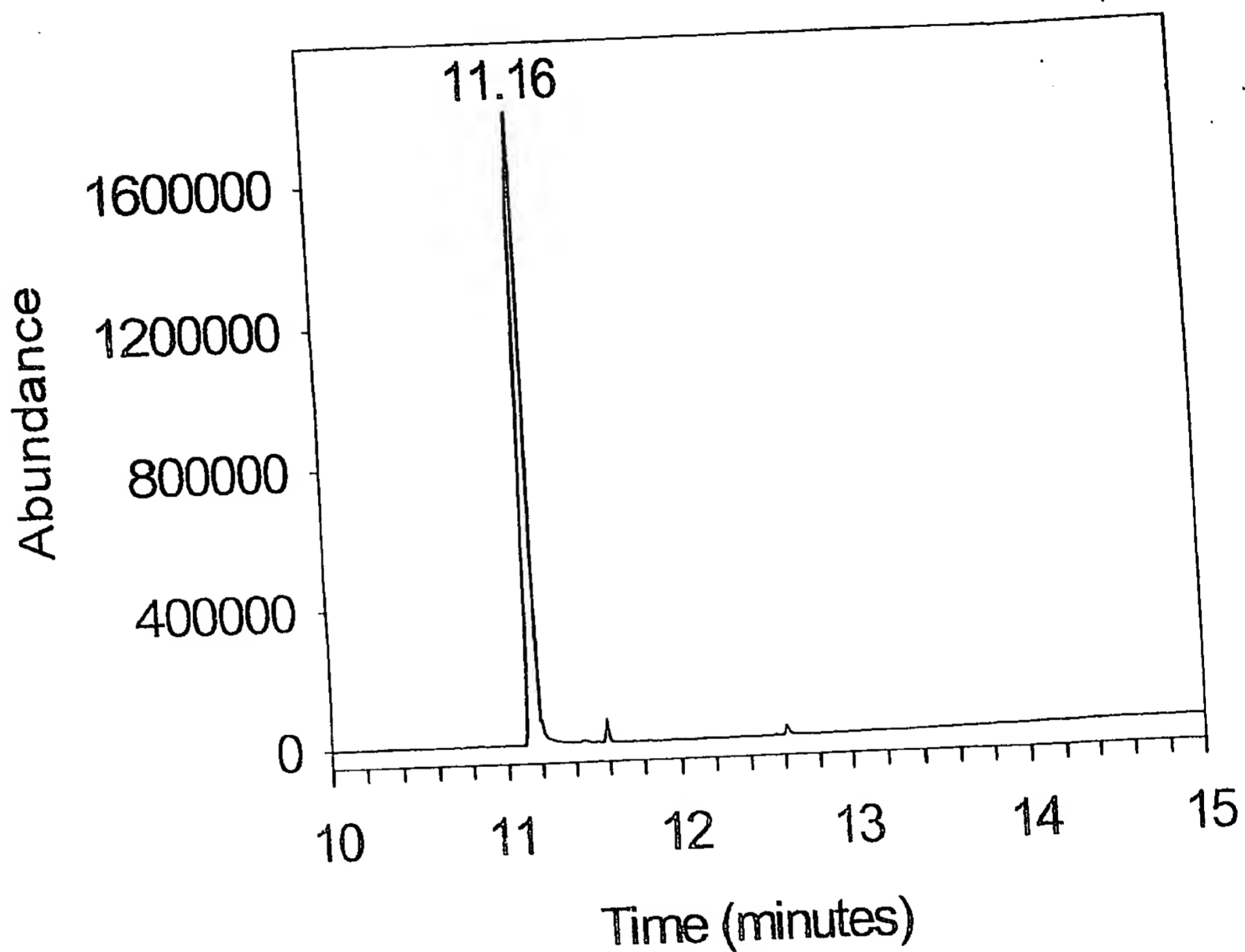


FIG. 5A

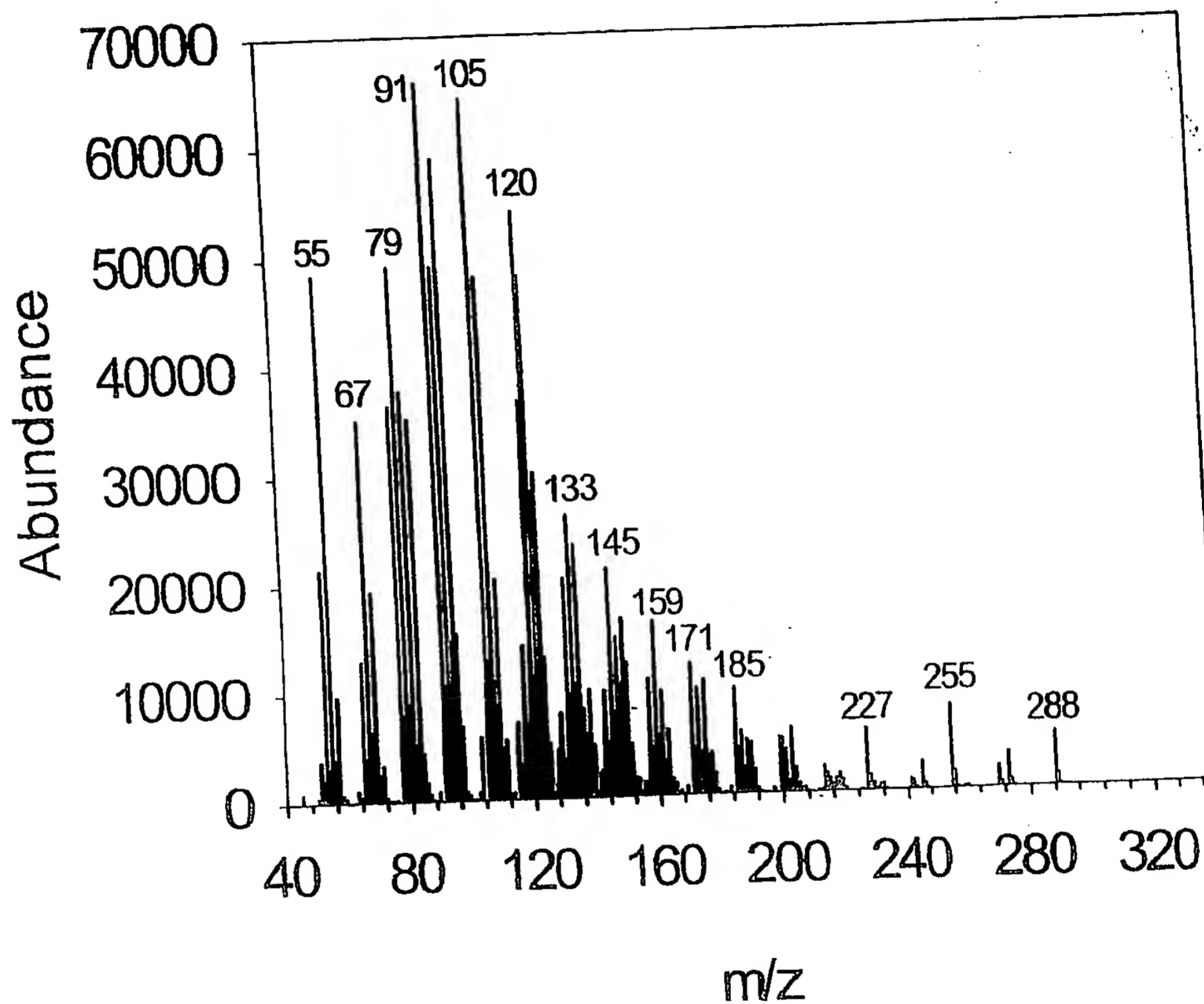


FIG. 5B

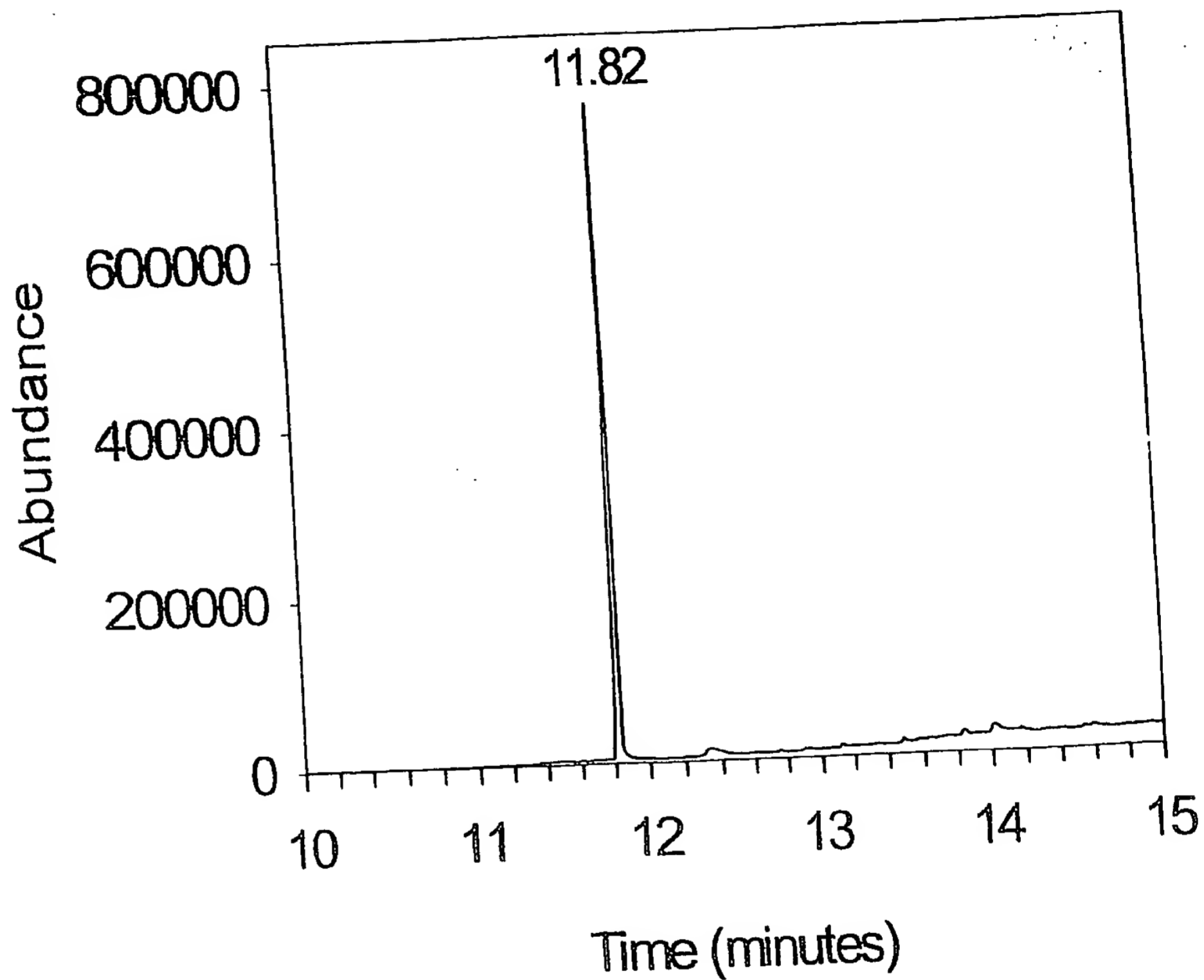


FIG. 5C

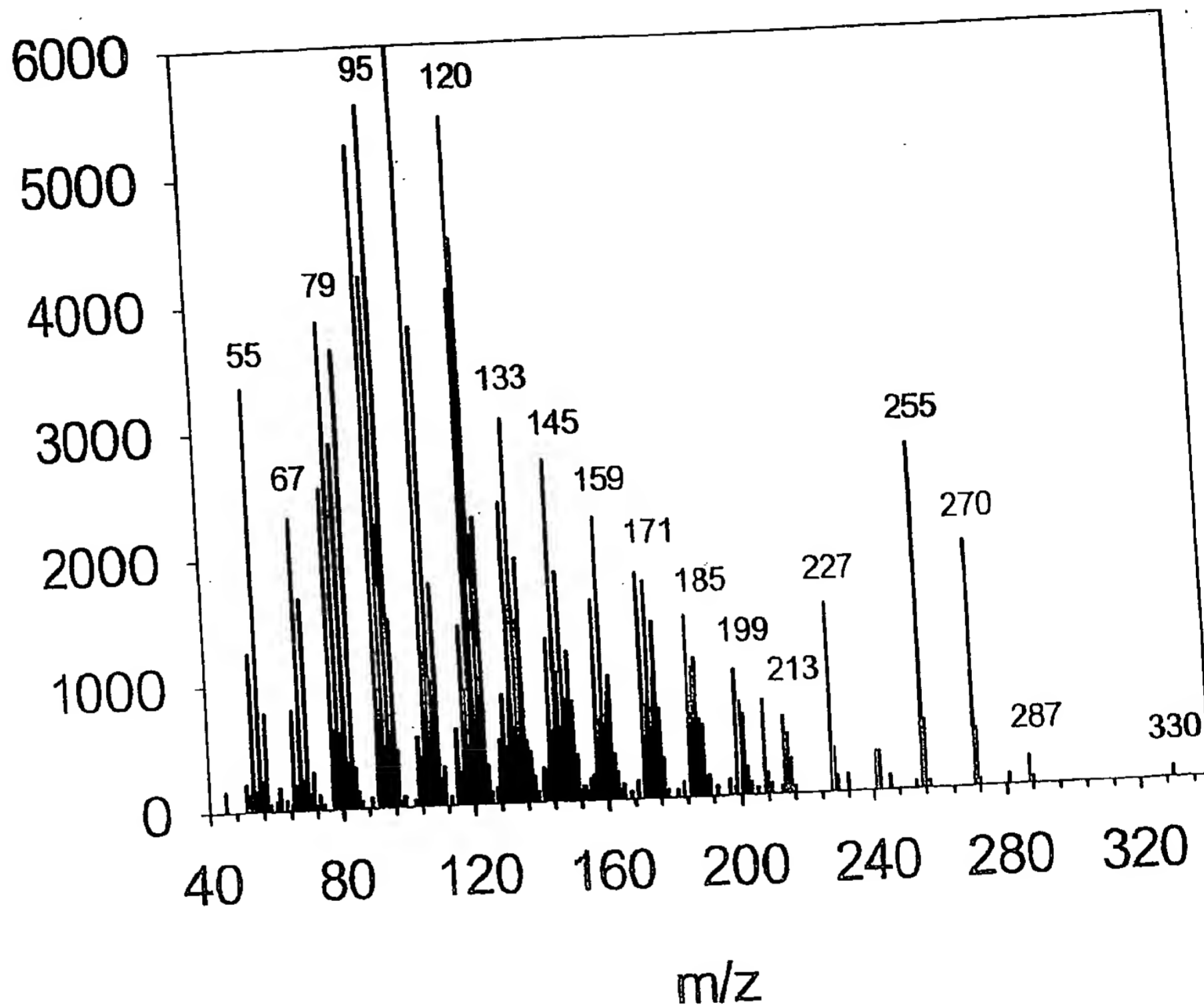


FIG. 5D

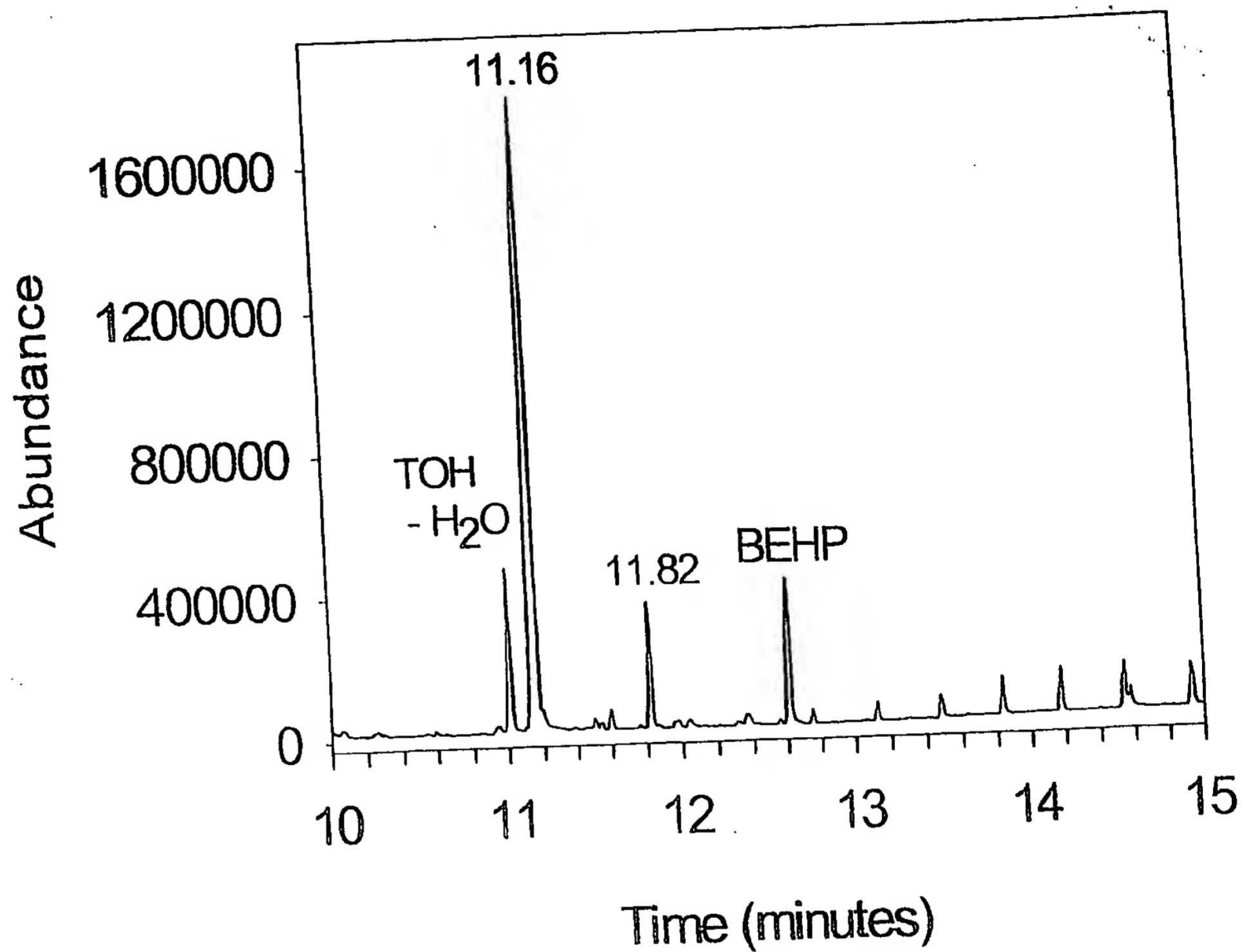


FIG. 5E

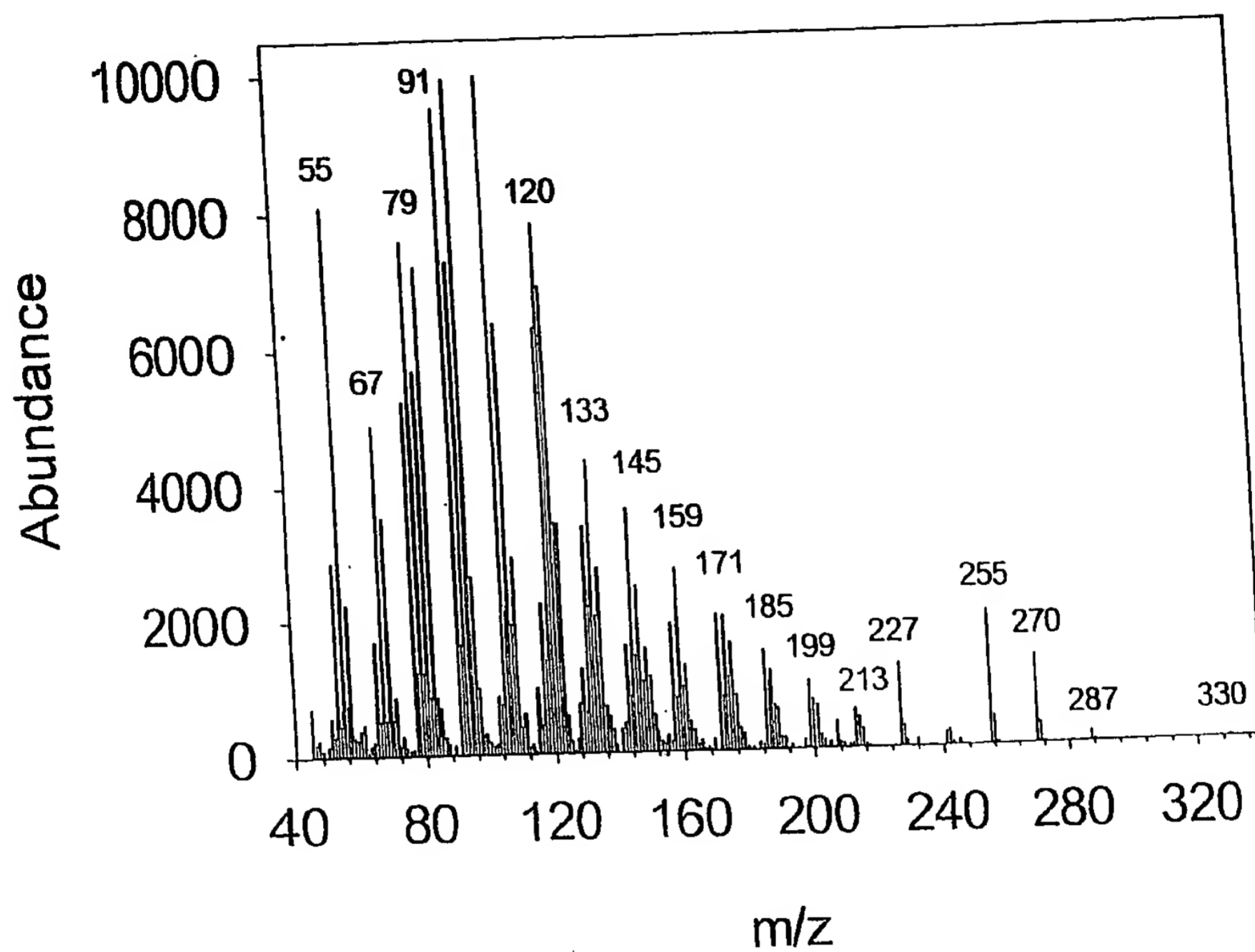


FIG. 5F

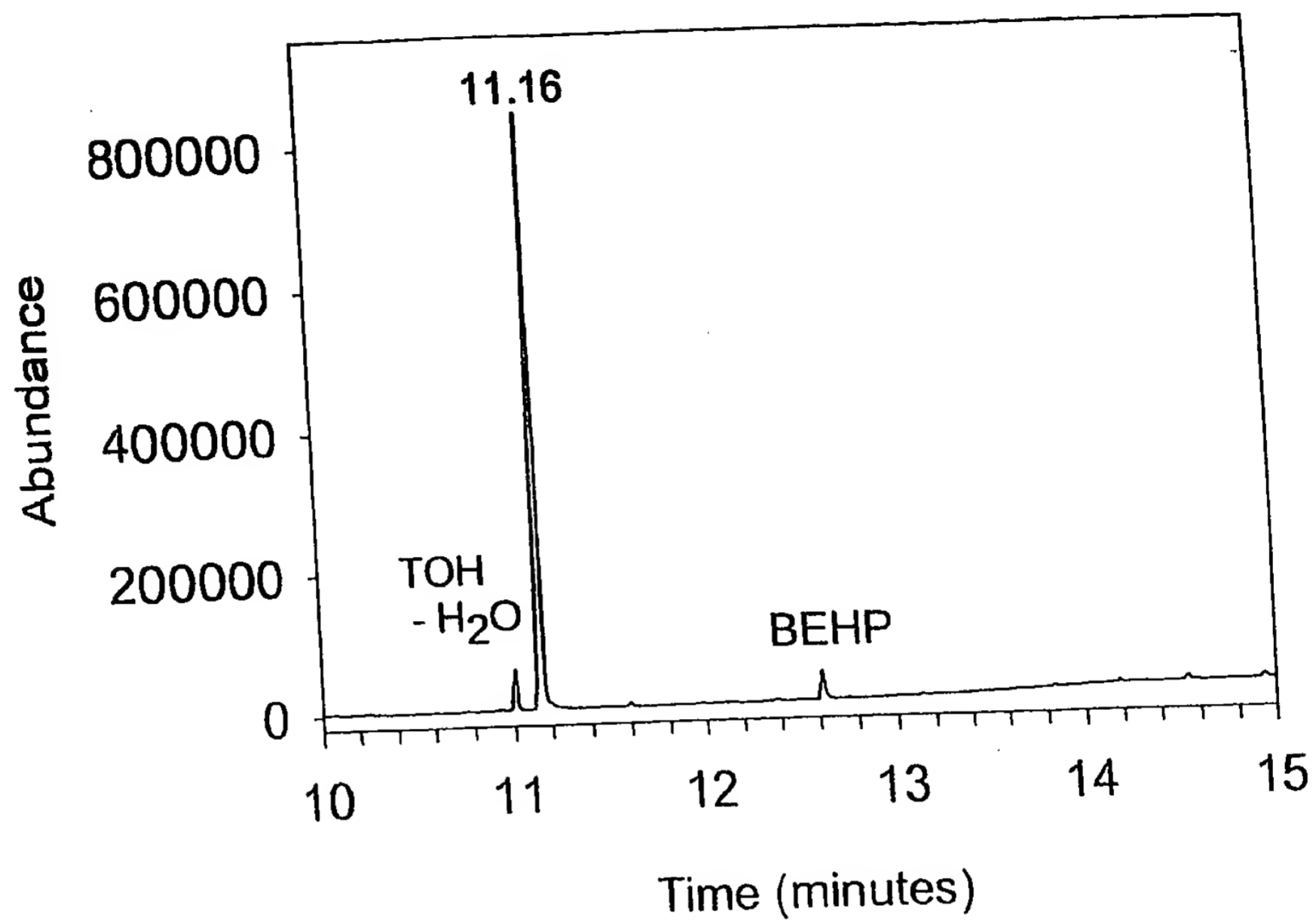


FIG. 5G

FIG. 6C

TAX1 (SEQ ID NO: 28)	MEKTDLHVNLI EKVMVGESP	23
TAX2 (SEQ ID NO: 26)	MGRFNVDMI ERVIVAECLQS	21
aab61522 (SEQ ID NO: 61)	MEKNVEILSREIVKSSST	0
aab61523 (SEQ ID NO: 62)	MPSLEKSVTIISRNRFEDQKST	22
aab95293 (SEQ ID NO: 63)	MASCIQELHFTHLHIPVTINQQFLVHPSSSTANQSP	25
aab97723 (SEQ ID NO: 64)	SENNNQMGAEQARGFHTTTRKQVITAALELQ	37
aac17079 (SEQ ID NO: 65)	MNVTMHSSKKLLKPSITP	147
aac18062 (SEQ ID NO: 66)	MGSSYQESPPLLEDLKVTIKESTLIFPSEET	20
aac27152 (SEQ ID NO: 67)	MESGKISVETETLSKTLIKPSSSTP	34
aac99311 (SEQ ID NO: 68)	MAPITFRKSYTIVPAET	27
aad12025 (SEQ ID NO: 69)	MANQRKPILLLEKKPVLELVKPSKHTHC	20
caa20531 (SEQ ID NO: 70)	MDSKQSSSELVFTVRRQKPELIIAFAET	29
caa64636 (SEQ ID NO: 71)	DFSFHVRRKCCQPELIIAFAET	28
caa94432 (SEQ ID NO: 72)	MSIQIKQSTMVRRPAET	21
cab06427 (SEQ ID NO: 73)	METMTMKVETISKEI IKPSSSTP	19
cab10318 (SEQ ID NO: 74)	MEAKLEVITGKEVIKPAESP	25
cab10319 (SEQ ID NO: 75)	MPMLMATRIDIIQKLNVPREFQN	22
cab40761 (SEQ ID NO: 76)		23

FIG. 6C

FIG. 6D

TAX1 (SEQ ID NO: 28)	K T T L Q L S S I D N L P G V R G S I F N A L L I Y N A S P S P T M I S A D P	A K P I	66
TAX2 (SEQ ID NO: 26)	K N I L H L S P I D N K T . . . R G L T N I L S V Y N A S Q R V S . V S A D P	A K T I	60
aab61522 (SEQ ID NO: 61)	0
aab61523 (SEQ ID NO: 62)	K R I L N L S L L D I L S S P M Y T G A L L F Y A A D P Q N L L G F S T E E T	S L K L	65
aab95293 (SEQ ID NO: 63)	D L K L S V S D L P M L S C H Y I Q K G C L F T C P N	L P L P A L	62
aab97723 (SEQ ID NO: 64)	H H S L Y L S N L D I I G A R V F T P S V Y F Y P S T N N R E S E V	L K R L	76
aac17079 (SEQ ID NO: 65)	W . . L P L S N L D L L P P L N V H V C F C Y K K P	L H F T N T V A	184
aac18062 (SEQ ID NO: 66)	L Q K L N L S L L D Q I Q I P F Y V G L I F H Y	E T L S D N S D I T	58
aac27152 (SEQ ID NO: 67)	R K S M F L S N V D Q I L N . . . F D V Q T V H F F R P N K E F P P E M V	S E K L	72
aac99311 (SEQ ID NO: 68)	L S R Y N L S Y N D Q N I Y Q T C V S V G F F Y E N P D G I E I S T I R E	66
aad12025 (SEQ ID NO: 69)	G R F P L A E W D Q V . . G T I T H I P T L Y F Y D K P S E S F Q G N V	V E I L	58
caa20531 (SEQ ID NO: 70)	E T L S L S T L D N D P F N E V M Y A T I Y V F K A N G K N L D	D P	67
caa64636 (SEQ ID NO: 71)	R E T K F L S D I D D Q E G L R . . . F Q I P V I Q F Y H K D S S M G R K D P	V K V I	68
caa94432 (SEQ ID NO: 72)	Y E F K Q L S D V D D Q Q S L R . . . L Q L P F V N I Y P H N P S L E G R D P	V K V I	61
cab06427 (SEQ ID NO: 73)	K S L W L S N I D M I L R T P Y S H T G A V L I Y K Q P D N N . E D N I H P S S M Y F D A N I L	S H K L	67
cab10318 (SEQ ID NO: 74)	L Q T L Q L S I Y D H I L P P V Y T V A F L F Y T K N D L	I S Q E H T	64
cab10319 (SEQ ID NO: 75)	R . . L Q L S I L D L Y C P G I Y V S T I F F Y	D L I T E S S E V F	58
cab40761 (SEQ ID NO: 76)	H D K K K L I T L S N L D R Q C P L L M Y S V F F Y K N T T T R D F D S V	F S N L	64

FIG. 6D

FIG. 6E

TAX1 (SEQ ID NO: 28) REALAKILVYYPPEFAGRIL . RETENGDLVEVECTGE . GAMFL~~EA~~MADN~~EL~~SV 114
 TAX2 (SEQ ID NO: 26) REALSKVLVYYPPEFAGRIL . BNTENGDLVEVECTGE . GAVFV~~EA~~MADN~~DL~~SV 108
 aab61522 (SEQ ID NO: 61) FVE~~CN~~D~~EA~~GVFIEARVDH . L~~EL~~SE 3
 aab61523 (SEQ ID NO: 62) KKSLSKTLPIFYPLAGRII . GS FVE~~CN~~D~~EA~~GVFIEARVDH . L~~EL~~SE 108
 aab95293 (SEQ ID NO: 63) KHSLSITLTHFPPLLAGRILS . TSSSGHVFLTC~~N~~DAGAD~~EF~~VFAQAKSIHVSD 111
 aab97723 (SEQ ID NO: 64) QDALSEEVLVPPYYPPLS~~GR~~IL . REVEN~~GK~~LEVFFG~~EE~~QGVLMVSA~~NS~~SM~~DL~~AD 125
 aac17079 (SEQ ID NO: 65) KTA~~LA~~ETLVVSYPYAFAG~~EL~~V . TNPTGEPEIL~~CN~~NRGVDFEAGAD . V~~EL~~RE 232
 aac18062 (SEQ ID NO: 66) ESSLS~~ET~~LTLYYHVAG~~RY~~N . GT DCVIE~~CN~~DQIGYVETAFD . V~~EL~~HQ 103
 aac27152 (SEQ ID NO: 67) RKALVKLM~~DA~~YEF~~LA~~GRILRVDPSSGRILDVD~~CN~~GA . GAGFVT~~AA~~ASDYTL~~EE~~ 121
 aac99311 (SEQ ID NO: 68) QNSLSKTLVSYYPFA~~GR~~KVV . KN DY . IHC~~N~~DDGIEFVEVRI . RCR~~M~~ND 110
 aad12025 (SEQ ID NO: 69) KTSLSRVLVHFFYPMAG~~RL~~RLWLP . RGRFELN~~CN~~AE . GVEFI~~EA~~ESE~~GR~~KLSD 106
 caa20531 (SEQ ID NO: 70) RKALSEELLVHXYPLSGLM~~RS~~SESN~~GK~~LQLVYLG~~EE~~ . GVPFEV~~AT~~STL~~DL~~SS 116
 caa64636 (SEQ ID NO: 71) KKAIAETLVFYYPFA~~GR~~IL . REGNGRKKLMVDCTG~~EE~~ . GIMFV~~EA~~DDADVTL~~EE~~Q 116
 caa94432 (SEQ ID NO: 72) KEAIGKALVFYYP~~LA~~GRIL . REGPGRKKLFVECTG~~EE~~ . GILFI~~EA~~DDADVSL~~EE~~ 109
 cab06427 (SEQ ID NO: 73) IEALS~~KA~~LVPFYYPMA~~GR~~ILK . IN . GDRYEID~~CN~~AE . GALFV~~EA~~ESSHV~~LE~~D 114
 cab10318 (SEQ ID NO: 74) KTSLS~~ET~~LT~~TK~~FYPLAG~~RI~~IT . GV TVDCTD~~EA~~G~~AI~~FVDARVNNCP~~LE~~TE 108
 cab10319 (SEQ ID NO: 75) KLSLS~~ET~~LSR~~FF~~YPLAG~~RI~~IE . GL SIS~~CN~~D~~EA~~GAVFTEART~~DL~~ . L~~EL~~PD 101
 cab40761 (SEQ ID NO: 76) KLGLEETMSVWYYPAA~~GR~~ILGLDGGGCKLNIR~~CN~~DGGAVMVEAVATGVK~~LE~~SE 114

FIG. 6E

T04260" 02593850

TAX1 (SEQ ID NO: 28) LGD . FDDSNPSEFQ . QLLFSLPLDTNF KDLSLLVVQVYTRRTCC . GH 156
TAX2 (SEQ ID NO: 26) LQD . FNEYDPSFQ . QLVFNLRDVDNI EDLHLLTVQVYTRRTCC . GH 150
aab61522 (SEQ ID NO: 61) ILEN . PNP . ELNKLHPFEFHEVSDVP LTVQVYTRRTCC . GH 41
aab61523 (SEQ ID NO: 62) FLKC . PVPE . SLELLIP VEAKSRE AVTWZVLLIQANFESSC . GH 149
aab95293 (SEQ ID NO: 63) VIAGIDVPD . VVKEFFTYDR AVSYE GHNRZILAVQVYTRRTCC . GH 153
aab97723 (SEQ ID NO: 64) LGDLTVPNPAWLPLIFRNPGEEAYKI LEMZLLIAQVYTRRTCC . GH 169
aac17079 (SEQ ID NO: 65) LNLY . DPDE . SIAKLVPIKKHG VIAIQVYTRRTCC . SI 266
aac18062 (SEQ ID NO: 66) FLKG . EESN . NLDLLVGL SGFLSE TETPZLAAIQLNMMKKCC . GH 144
aac27152 (SEQ ID NO: 67) LGD . LVYPNPAFAQLVTSQLQ . SLPKD DQZLFVFOITSTKKCC . GH 163
aac99311 (SEQ ID NO: 68) ILKY . ELRS . YARDLVLPKRVTVGSED TTA IVQLSHEDCC . GH 150
aad12025 (SEQ ID NO: 69) FKD . FS . PTPEFENLM . PQVNYKNPIE TIFLFLAQVYTRRTCC . GH 147
caa20531 (SEQ ID NO: 70) LN YIENLDDQVALRLVPFIEIDYESNVCHPLALQVYTRRTCC . GH 160
caa64636 (SEQ ID NO: 71) FGDELQPPFPFPCLE . ELLYDVPPDSAGV LNCZLLLIQVYTRRTCC . GH 159
caa94432 (SEQ ID NO: 72) FWDTLPLPSSMQNNIIHNALNSDEV LNSZLLLIQVYTRRTCC . GH 153
cab06427 (SEQ ID NO: 73) FGD . FR . PNDELHRVMVPTCDYSKGIS SFZLLLMVQLYTRRTCC . GH 156
cab10318 (SEQ ID NO: 74) FLKC . PDEF . ALQQLLPDLDVVDNPPYVA AATWZLLLVKATYFGCC . GH 152
cab10319 (SEQ ID NO: 75) FLRN . LNTD . SLSGFLPTLAAGE S PAWZLLSVKVTYFGSSGV 143
cab40761 (SEQ ID NO: 76) LGDLTQYNEFYENLVYKPSLDGDFSV MEZLVVAQVYTRRTCC . GH 156

FIG. 6F

FIG. 6G

TAX1 (SEQ ID NO: 28) V V G V S F H H G V C D G R G A A Q F L K G L A E M A R . G E V K L S L E P I W 195
TAX2 (SEQ ID NO: 26) V V G T R F H H S V S D G K G I G Q L L K G M G E M A R . G E F K P S L E P I W 189
aab61522 (SEQ ID NO: 61) A L G I G L S H K L C D A L S G L I F V N S W A F A R G Q T D E I I T P S F 80
aab61523 (SEQ ID NO: 62) V I T I C V S H K I T D A T S L A M F I R G W A E S S R G G I T L I E S F 187
aab95293 (SEQ ID NO: 63) F I G C S V N H A V T D G T S L W N F I N T F A E V S R G A K N V T R Q P D F T R E S V L 198
aab97723 (SEQ ID NO: 64) S L G I R L C H C I C D G F G A M Q F L G S W A A T A K T G K L I A D P E P V W 209
aac17079 (SEQ ID NO: 65) V V G C T F D H R V A D A Y S M N M F L L S W A E I S B S D V P I S C V . . P S F 305
aac18062 (SEQ ID NO: 66) V I G A Q F N H I I G D M F T M S T F M N S W A K A C B V G I K E V A H E T F 183
aac27152 (SEQ ID NO: 67) A M G I S T N H T T F D G L S F K T F L E N L A S L L H E K P L S T P P C N 201
aac99311 (SEQ ID NO: 68) A V A F G I S H K V A D G G T I A S F M K D W A A S A C Y L S S H H V P T P L L 191
aad12025 (SEQ ID NO: 69) S L S V N V S H A I V D G Q S A L H I I S E W G R L A R G E P L E T V P F L 185
caa20531 (SEQ ID NO: 70) T I G T A L T H A V C D G Y G V A Q I I H A L T E L A . A G K T E P S V K S V W 199
caa64636 (SEQ ID NO: 71) I F A L R L N H T M S D A P G L V Q F M T A V G E M A R . G G S A P S I L P V W 198
caa94432 (SEQ ID NO: 72) I F G L C F N H T M A D G F G I V Q F M K A T A E I A R . G A F A P S I L P V W 192
cab06427 (SEQ ID NO: 73) S I G F A Q H H V C D G M A H F E F E N N S W A R I A K G L L P A L E P V H 194
cab10318 (SEQ ID NO: 74) A I G I C I T H K I A D A A S I S T F I R S W A A T A R G E N D A A A M E S P V F 193
cab10319 (SEQ ID NO: 75) A V S V S H K I C D I A S L V T F V K D W A T T T A K G K S N S T I E . . . F 181
cab40761 (SEQ ID NO: 76) S I G I G T S H S L F D G I S A Y E F I H A W A S N S H I H N K S N S K I T N K K E D V V I K P V H 206

FIG. 6G

FIG. 6H

TAX1 (SEQ ID NO: 28)	NRELVKLD	DP	KYLQFF	EF	LRA	SIV	EKIVQ	227	
TAX2 (SEQ ID NO: 26)	NREMVKPE	DI	MYLQFD	DF	IHP	LN	EKSIQ	221	
aab61522 (SEQ ID NO: 61)	DLAKMFP	CDIEN	LN	MATG	ITKE	NIVT	107		
aab61523 (SEQ ID NO: 62)	TASEVFP	KPLDEL	PS	KPM	DRKEE	VEEMS	CVT	218	
aab95293 (SEQ ID NO: 63)	ISPAVLK	VPQGGPKV	TFDEN	APLR	ERIS	FSRES	IQELKAVVNKK	243	
aab97723 (SEQ ID NO: 64)	DETFKPR	NP	PMVKY	PPH	EYLP	IEERS	NLTNSLWD	TKPLQ 249	
aac17079 (SEQ ID NO: 65)	RRSLLN	PRRPLV	MDPS	IDQI	YMPV	TS	LP	PPQET 347	
aac18062 (SEQ ID NO: 66)	GLAPLM	PSAKVLN	IP	PP	PSFEG	VKFVS	210		
aac27152 (SEQ ID NO: 67)	DR	TLLKARD	PPS	VA	FP	HH	EL	VKFQDCET 242	
aac99311 (SEQ ID NO: 68)	VSDS	IFPRQ	DNII	CE	QFP	TSK	NCVE	216	
aad12025 (SEQ ID NO: 69)	DR	KILWAGE	PLPP	FVS	PPKED	HK	EF	DQPPFLIGET 232	
caa20531 (SEQ ID NO: 70)	QRE	RLVGKID	NKP	GK	VPGS	HI	D	GFLATSAYLPT 237	
caa64636 (SEQ ID NO: 71)	CRE	LLNAR	NP	PQ	VTCT	HH	EY	DEV	RD 236
caa94432 (SEQ ID NO: 72)	QRA	LLTAR	DP	PR	ITFR	HH	EY	DQV	VD 230
cab06427 (SEQ ID NO: 73)	DR	YLHLR	PRNPP	QI	KYS	HS	QFE	PFV	PSLPNEL 235
cab10318 (SEQ ID NO: 74)	AGAN	FYP	PANE	AF	KL	PAD	EQ	AGKRS	SIT 221
cab10319 (SEQ ID NO: 75)	AET	TIY	PPPP	SHM	YE	QFP	STD	SDSNIT	SKYVL 213
cab40761 (SEQ ID NO: 76)	DR	RNLLV	NRD	AV	RET	NAA	AIC	HL	YQLIKQAM 256

FIG. 6H

T04260" 02599860

TAX1 (SEQ ID NO: 28)	TYFIIDFEETIN YIKQSV. MEEC.	KEEF	251
TAX2 (SEQ ID NO: 26)	ASMVISFERIN YIKRCM. MEEC.	KEEF	245
aab61522 (SEQ ID NO: 61)	RRFVFLRSSVESLRERFSGNK.	KIR.AT	133
aab61523 (SEQ ID NO: 62)	KRRFVFDASKIKKKLRRAK. ASRN.	LVKNPT	244
aab95293 (SEQ ID NO: 63)	KWLTVDNGEIDGVELLGKQSN DKLNKENGILTEMLLESIFGRND AVSKPV		293
aab97723 (SEQ ID NO: 64)	KCYRISKEFQCRVKSI A. QGED.	PTL	273
aac17079 (SEQ ID NO: 65)	RIYYIKANALQEITLASSKN.	GKRT	373
aac18062 (SEQ ID NO: 66)	KRRFVFNENAI TRLRKEA TEEDGDGDD.	DQKKRPS	244
aac27152 (SEQ ID NO: 67)	KIFKLSSSEQIKKKLKER A. SET.	SNG	265
aac99311 (SEQ ID NO: 68)	KTFIFPPEAIEKKLKS KAVEEG.	IEKPT	242
aad12025 (SEQ ID NO: 69)	VMLPLSTSQLQKKLRSKANGSKH.	SDP	257
caa20531 (SEQ ID NO: 70)	ETINIRAGDIKKRLKDSM. MKEC.	EYL	261
caa64636 (SEQ ID NO: 71)	KSEFFGPPSEVSA LRRFV. PHHL.	RK.	259
caa94432 (SEQ ID NO: 72)	QLFFFSQLQISTLRQTL. PAHL.	HD.	253
cab06427 (SEQ ID NO: 73)	TLFILSREQINTLKKQLDLSN.	TTR	260
cab10318 (SEQ ID NO: 74)	KRRVFEEASKVEDLRTKAASEE.	TVDQPT	248
cab10319 (SEQ ID NO: 75)	KRRVFEEPSKIAE LKHKAASES.	VPVPT	239
cab40761 (SEQ ID NO: 76)	KTFELNGDAIESM KKKKSL EG.		276

FIG. 6I

FIG. 6J

TAX1 (SEQ ID NO: 28) . CS . . SFEVASAMTWIARTRAFIQIPSEY VKILFGMDMNSFN 291
TAX2 (SEQ ID NO: 26) . FS . . AFEVVVALIWLARTKSFRIPPNEY VKIIFPTDMNSFD 285
aab61522 (SEQ ID NO: 61) RVE VLSVFVSRF . . MASTNHDDDKTGKIYT LIHPVNLBRQAD 173
aab61523 (SEQ ID NO: 62) RVE AVTALFVRCV . . TKVSRLLSSLTPRTSV LQILVNLBRGKVD 284
aab95293 (SEQ ID NO: 63) AVEISSFQSLCALWRAITRAKLPSSKTTT FRMAVNCBRLS 336
aab97723 (SEQ ID NO: 64) VCS . . TFDAMAAHIIWRSWVKALDVKPLDYN LRLTFVNVBRTRLE 315
aac17079 (SEQ ID NO: 65) KLE SFSALFLLKLVAEHAAKDPVPIKTSK LGIVVDGRRRLM 413
aac18062 (SEQ ID NO: 66) RVD LVTALFLLSKSLIEMDCAKKEQTKSRPSL MVHMMNLLBRKTK 286
aac27152 (SEQ ID NO: 67) NVRVGTGFNVVTLVWRCCKALSVAAEEGEET . NLERESTILYAVDIAGGL . 313
aac99311 (SEQ ID NO: 68) RVE VLTALFLLSBCATVAGKSAKNNCGQSLPFVQLQAINLBRPILE 287
aad12025 (SEQ ID NO: 69) AKGFTTRYETVTGHHVWRCACAKARGHSPPEQPT . AL GICIDTSSM . 299
caa20531 (SEQ ID NO: 70) KESFTTYEVLLSSYIWKLLRSRALKLNPDGIT V . LGVAVGIGHVLD 304
caa64636 (SEQ ID NO: 71) . CS . . TFEVLLTAVLWRCRTMSLKKPDPEEE VRALCIYNARSRFN 299
caa94432 (SEQ ID NO: 72) . CP . . SFEVLLTAVVWRLRTIALQFKPEEE VRFLCVMNLSKID 293
cab06427 (SEQ ID NO: 73) LSTYEVVAHVWRSVSKARGLSDHHEEI . KL IMPVDGSSIN 300
cab10318 (SEQ ID NO: 74) RVE SVTALIWKCF . . VASSK TTTCDHKV LVQLANLRSKIP 286
cab10319 (SEQ ID NO: 75) RVE AIMSLLIWRCA . . RNSSRSNLLIPRQAV MWQAMDILRLIP 279
cab40761 (SEQ ID NO: 76) . FMCSSFEFLAAHLLWKARTRALGLRDA MVCLOFAVDIRKRTTE 318

FIG. 6J

FIG. 6K

TAX1 (SEQ ID NO: 28) P. PLESGYXGN SIGTACAVDNVQD. . . LLSG. SLLRAIMIIKKSKVSL. . . 334
TAX2 (SEQ ID NO: 26) S. PLEKGYXGN AIGNACAMDNVKD. . . LLNG. SLLYALMLIKKSEFAL. . . 328
aab61522 (SEQ ID NO: 61) P. DIEDNMFGN IMRFSVTVPMMIIN. . . ENDEEKASLVDDQMREEIRKI. . . 217
aab61523 (SEQ ID NO: 62) S. . LCENTIGN. MLSLMI. . . LKNEE. . . AAIERIQDVVDEIRRAKEIF. . . 324
aab95293 (SEQ ID NO: 63) P. KLNPEYFGNAI. QSVPTFATAAEVLSRDLKWC. . . 368
aab97723 (SEQ ID NO: 64) TLKLRKGFYGNVVCACAMSSVES. . . LIND. SLSKTRRLVQDARLRV. . . 359
aac17079 (SEQ ID NO: 65) E. KENNTYFGNVVLSVPFGGQRIDDLISKPLSWVTEEVHRRFLKK. 455
aac18062 (SEQ ID NO: 66) L. ALENDVSGNFF. IVVNA. . . ESKITVAPKITTDLTESLGS. . . 323
aac27152 (SEQ ID NO: 67) NPELEPPSYTGNVAVLTAYAKECKA. . . LLEE. PFGRIVEMVGESEKRI. . . 357
aac99311 (SEQ ID NO: 68) . . . LEQNSVGNLVLSIYFSRTIKENDY LNEKEYTKLVINELRKEQKI. . . 331
aad12025 (SEQ ID NO: 69) EPPLERGYFGNATLDDVVAASTSGE. . . LISN. ELGFAASLISAIKNV. . . 343
caa20531 (SEQ ID NO: 70) P. PLEKGYXGNAYIDVYVELTVRE. . . LEES. SLSNIANRVKKAKTAYEK 350
caa64636 (SEQ ID NO: 71) P. PLETGXYXGNAFAPVAVTTAAK. . . LSKN. PLGYALELVKKTSADV. . . 342
caa94432 (SEQ ID NO: 72) I. PL. . GYXGNVAVVVPVAVITTA. . . LCGN. PLGYAVDILIRKAKAKA. . . 334
cab06427 (SEQ ID NO: 73) NPSLEKGYXGNVVFVAVCTATVGD. . . LSCN. PLTDAGKVQEAALKGL. . . 344
cab10318 (SEQ ID NO: 74) S. LLQESSIGNLMEFSSVV. . . LSIGR. . . GGEVKIEEAVRDLRKKKEEL. . . 328
cab10319 (SEQ ID NO: 75) S. SVAPKDVIGNLQSGFS. . . LKKDA. . . ESEFEIPEIVATFRKNXERV. . . 321
cab40761 (SEQ ID NO: 76) T. PLPEGFSGNAYVLASVASTARE. . . LLEELTLESIVNKIREAKSI. . . 362

FIG. 6K

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TAX1 (SEQ ID NO: 28) . . . NDNE . KSRVVVKPSELVDN MNHENVVAFADW SRL 367
TAX2 (SEQ ID NO: 26) . . . NENE . KSRILTKPSTLDAN MKHENVVGCDDWRNL 361
aab61522 (SEQ ID NO: 61) . . . DAVYVKKLQEDNRGHL EFLNKQASGEFVNGEIVSEFSTSLCKF 259
aab61523 (SEQ ID NO: 62) . . . S . . . LNCKEMSKSSSRIFELLEEIG . KVGGRG . . . NEMDLWMSNSSLCKL 366
aab95293 (SEQ ID NO: 63) . . . ADQLNQSVAAHQDGRIRSVVADWEANPRCFPLGNADGASVTMGSSPRF 416
aab97723 (SEQ ID NO: 64) . . . SEDYLRSMVDYVDVKRRPKR LEFGGKLTITQWTRF 393
aac17079 (SEQ ID NO: 65) SVTKEHFLNLI DWVETCRPTPAVSRIY SVGSDDGPAFVVSSGGRSF 500
aac18062 (SEQ ID NO: 66) . . . CGEIISEVAKVDDAEVSSSMVLNSVREFFYYEWGKGEKNVFLYTSLWCRF 371
aac27152 (SEQ ID NO: 67) . . . TDEYARSAIDWGELYKG FPHGEVLVSSSLWKL 388
aac99311 (SEQ ID NO: 68) . . . KNLSREKLTYYVAQMEEFVKSLKEFDISNFL DIDAYLSDSLWCRF 374
aad12025 (SEQ ID NO: 69) . . . TNEYVMIGIEYLNKNQKDLKKFQDLHALGSTEGPFYGNPNLGVVSLWTL 391
caa20531 (SEQ ID NO: 70) GYIEEELKNTERLMRDDSMFE GVS DGLFFLTDRNI 386
caa64636 (SEQ ID NO: 71) . . . TEEYMKSVADLMVLKGRPH FTVVRTFLVSDVTRG 376
caa94432 (SEQ ID NO: 72) . . . TMEYIKSTVDLMVIKGRPY FTVVGSFMMSDLTRI 368
cab06427 (SEQ ID NO: 73) . . . DDDYLRSAIDHTESKPG PVPYMGSP EKTLY . . . PNVLVNSWGRI 386
cab10318 (SEQ ID NO: 74) . . . GTVILDEGGSSDSSMIGSKLANLMLTNYSRLSYETHPEYTVSSSLWCKL 376
cab10319 (SEQ ID NO: 75) . . . NEMIKESLQGNLTIGQSLSLMAETVSES TEIDRYIMSSSLWCRK 363
cab40761 (SEQ ID NO: 76) . . . DQGYINSSYMEALGGSNDGNLPP LKELTLISDWTCKM 397

FIG. 6L

FIG. 6M

TAX1 (SEQ ID NO: 28) G. FDEVD... 414
TAX2 (SEQ ID NO: 26) G. F... 410
aab61522 (SEQ ID NO: 61) E... 300
aab61523 (SEQ ID NO: 62) G... 408
aab95293 (SEQ ID NO: 63) E... 459
aab97723 (SEQ ID NO: 64) E... 441
aac17079 (SEQ ID NO: 65) E... 544
aac18062 (SEQ ID NO: 66) E... 412
aac27152 (SEQ ID NO: 67) G... 431
aac99311 (SEQ ID NO: 68) E... 417
aad12025 (SEQ ID NO: 69) E... 433
caa20531 (SEQ ID NO: 70) G... 435
caa64636 (SEQ ID NO: 71) G... 424
caa94432 (SEQ ID NO: 72) G... 416
cab06427 (SEQ ID NO: 73) E... 428
cab10318 (SEQ ID NO: 74) E... 418
cab10319 (SEQ ID NO: 75) E... 407
cab40761 (SEQ ID NO: 76) E... 441

FIG. 6M

FIG. 6N

439 TAX1 (SEQ ID NO: 28) F L P L S K M K S F K I E M E A M M K . K Y V A K V
440 TAX2 (SEQ ID NO: 26) F M P A S M V K P F K I E M E V T I N . K Y V A K I C N S K L
331 aab61522 (SEQ ID NO: 61) N L D Q N D M S R F E A D E E L L R Y V S S N P S V M V S V S
436 aab61523 (SEQ ID NO: 62) T L T E E Q M S L F E C D Q E L L E S A S L N P P V L I
482 aab95293 (SEQ ID NO: 63) V L S P E T M A G I E S D G E F M R Y V T N K
461 aab97723 (SEQ ID NO: 64) C L P P T A V H T F T R L L S L N D H K
572 aac17079 (SEQ ID NO: 65) H L T K G Q L R F I E E E A S H V L K P I D N D Y L K I
433 aac18062 (SEQ ID NO: 66) C L S E H D M I Q F Q H H Q L L S Y V S
450 aac27152 (SEQ ID NO: 67) A L P S K E M S K F Q H W F E D T L C
439 aac99311 (SEQ ID NO: 68) S F E Q E K M S A F E K N E Q L L Q F V S N
451 aad12025 (SEQ ID NO: 69) C L Q V A H M E A F K K H F Y E D I
461 caa20531 (SEQ ID NO: 70) K L P R D A M V E F K R R E M A T M K K L Y F G D T N
460 caa64636 (SEQ ID NO: 71) C L P G F A M E T F V K E L D G M L K V D A P L . . V N S N Y A I I R P A L .
455 caa94432 (SEQ ID NO: 72) C L P P P A M E R F R A N V H A S L Q V K Q V V D A V D S H M Q T I Q S A S K
445 cab06427 (SEQ ID NO: 73) N L F S S H L S R F K K Y F Y D F
446 cab10318 (SEQ ID NO: 74) T L P P E E N M S S F E Q N P P E L L A F A T M N P S V L V
435 cab10319 (SEQ ID NO: 75) S L P E E E D M S V F V D D Q E L L A Y A V L N P P V V A
458 cab40761 (SEQ ID NO: 76) G L D P R D V N G F S N H F L D C

FIG. 6N

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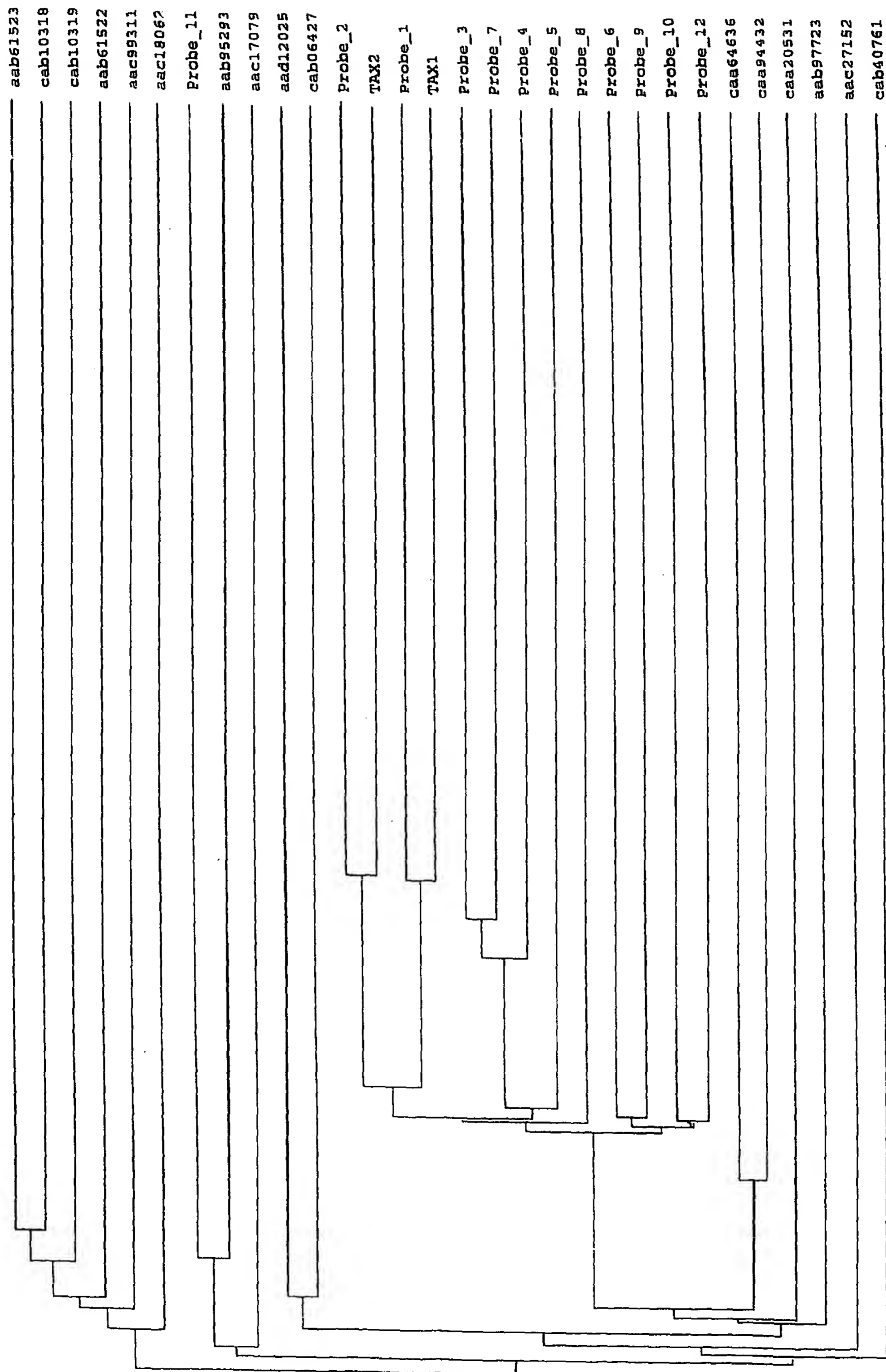


FIG. 7

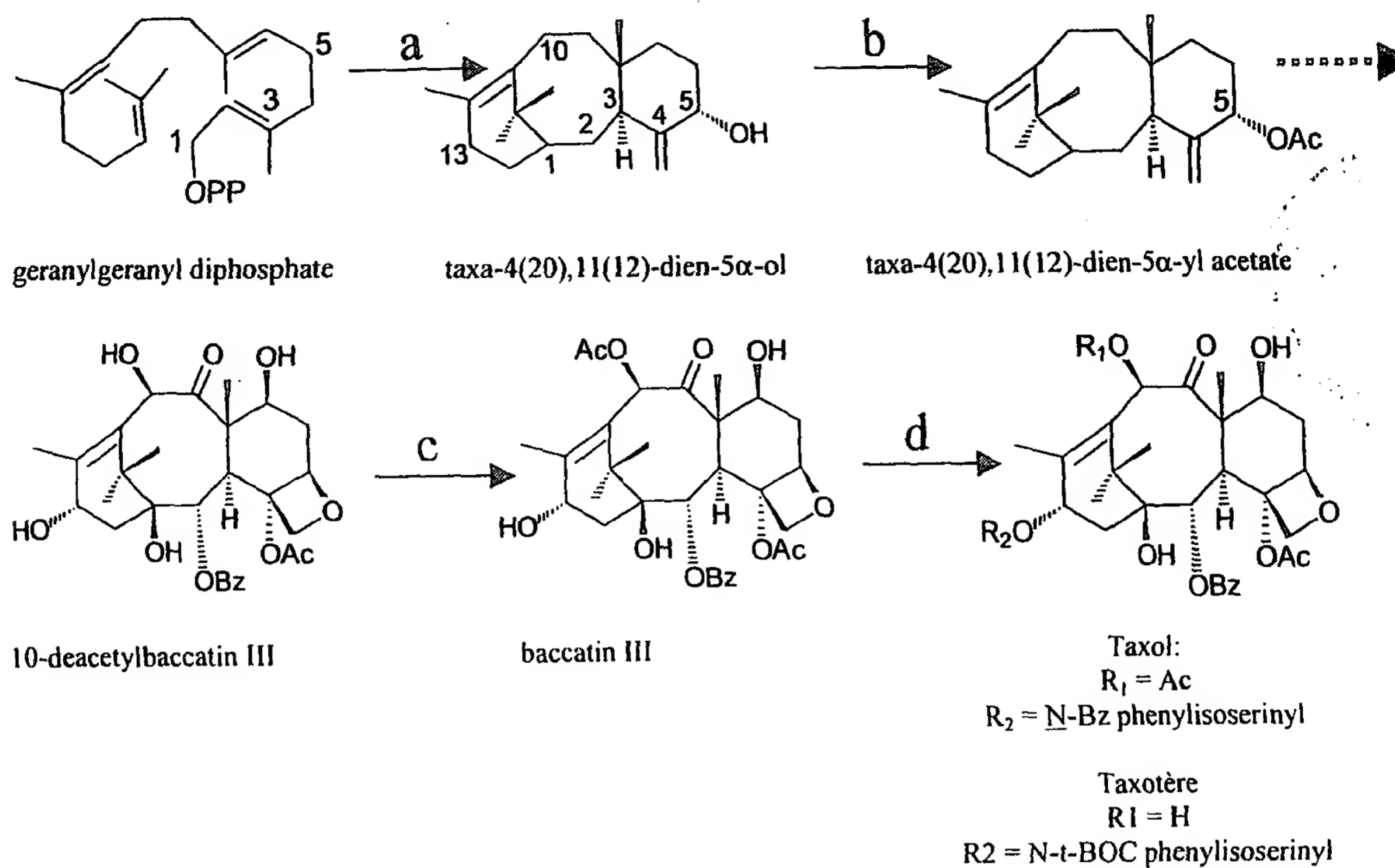


FIG. 8A

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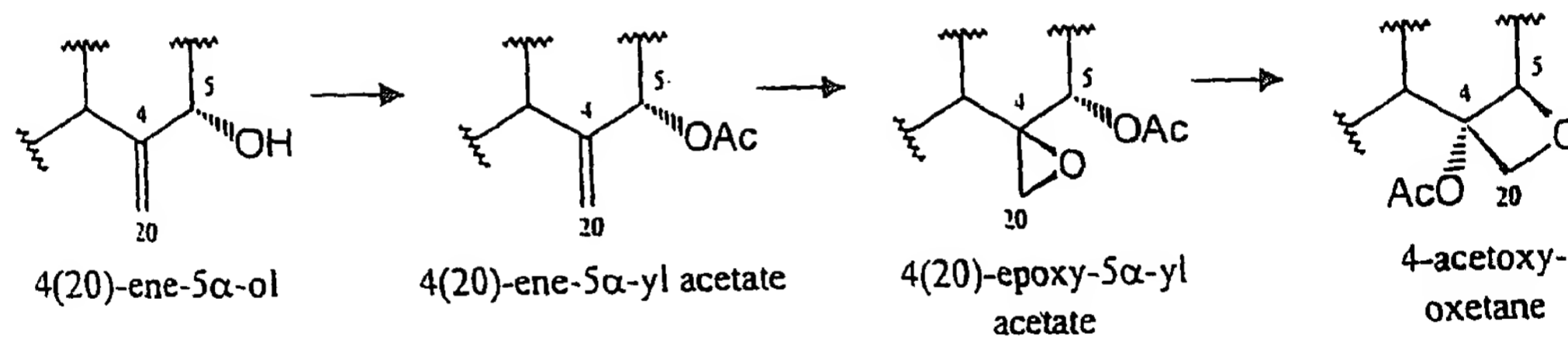
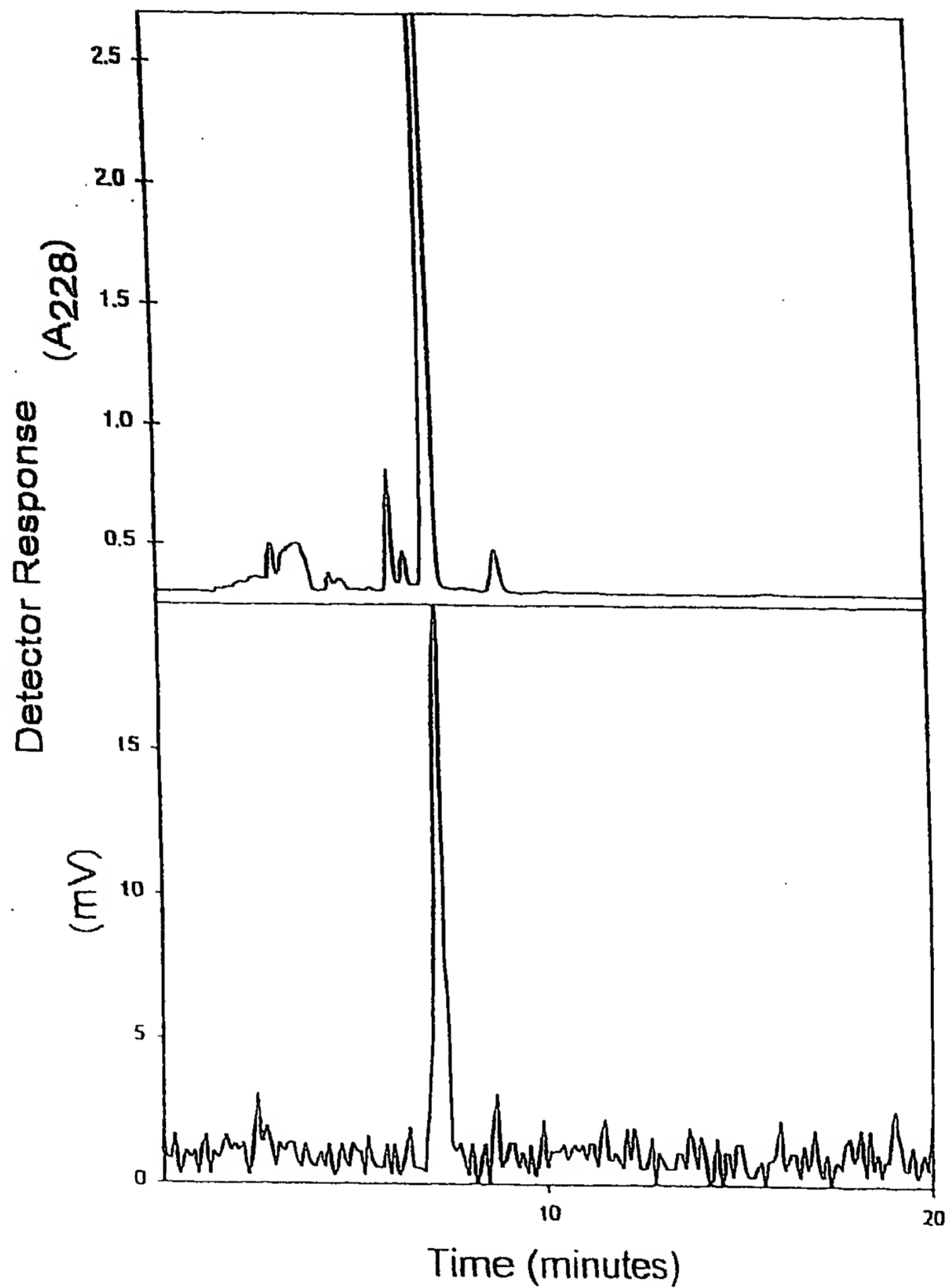


FIG. 8B



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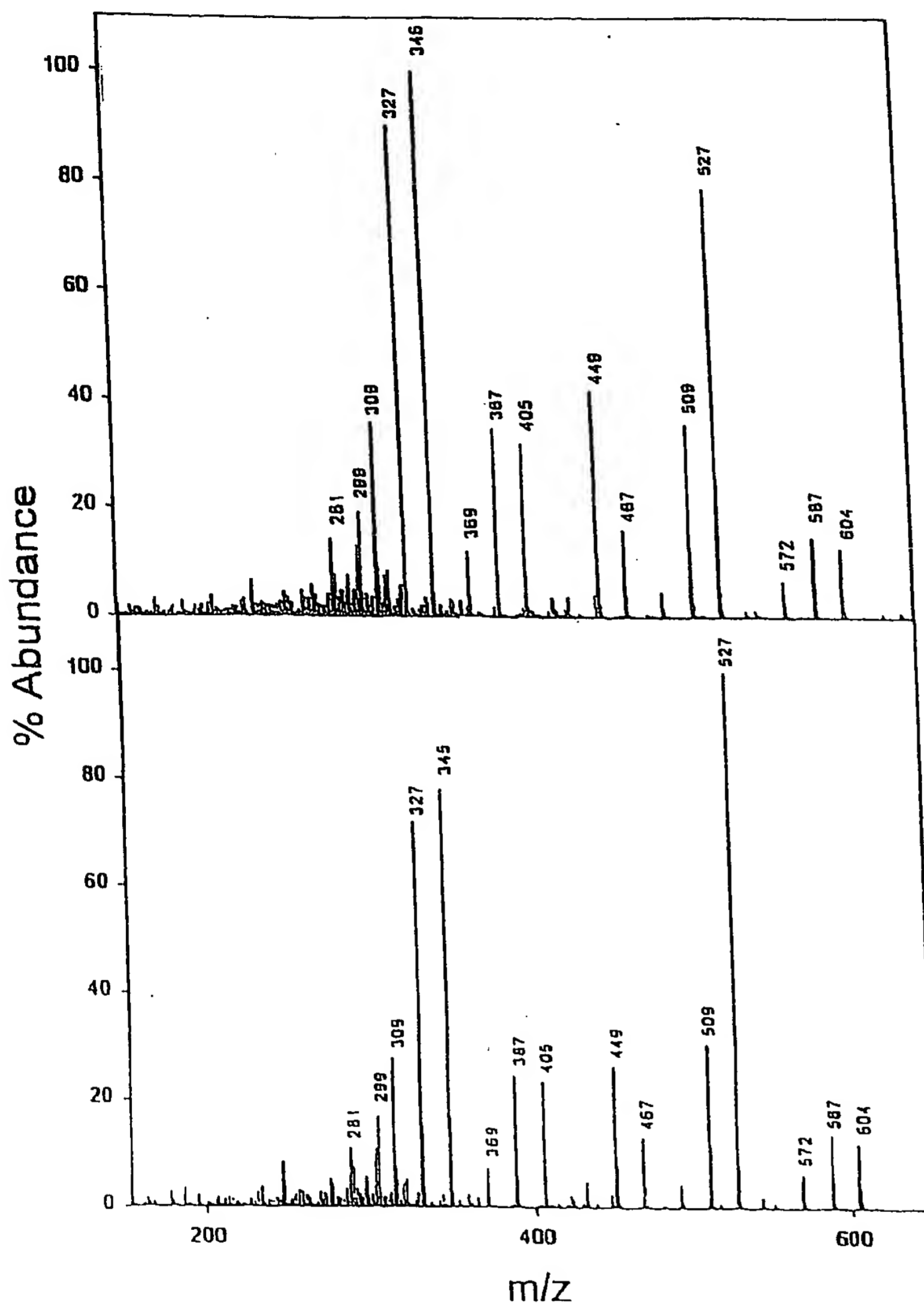


FIG. 10A

FIG. 10B